



AD300[®] High Temperature Wire

High Performance Fluoropolymer Wire -65° to +300°C

Description

A single conductor wire with nickel plated copper conductors and a highly thermally tolerant fluoropolymer insulation. The wire has similar properties to other extruded aerospace wire such as ETFE, FEP and PFA and is specially produced to provide enhanced thermal performance.

The insulation material can withstand intermittent temperatures up to 305°C and can continue operating where other materials quickly degrade. This wire meets or exceeds all chemical and



Table 1

Part Number	Size	Stranding	Materials
AD300-30-X	30AWG	7/38	NCu
AD300-30A-X	30AWG	7/38	NCuAlloy
AD300-28-X	28AWG	7/36	NCu
AD300-28A-X	28AWG	7/36	NCuAlloy
AD300-26-X	26AWG	19/38	NCu
AD300-26A-X	26AWG	19/38	NCuAlloy
AD300-24-X	24AWG	19/36	NC
AD300-24A-X	24AWG	19/36	NCuAlloy
AD300-22-X	22AWG	19/34	NC
AD300-22A-X	22AWG	19/34	NCuAlloy
AD300-20-X	20AWG	19/32	NC
AD300-20A-X	20AWG	19/32	NCuAlloy
AD300-18-X	18AWG	19/30	NCu
AD300-16-X	16AWG	19/29	NCu
AD300-14-X	14AWG	19/27	NCu
AD300-12-X	12AWG	37/28	NCu
AD300-10-X	10AWG	37/26	NCu
AD300-8-X	8AWG	133/29	NCu
AD300-6-X	6AWG	133/27	NCu
AD300-4-X	4AWG	133/25	NCu

Construction

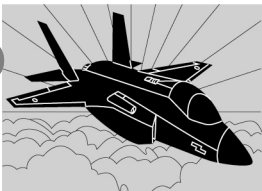
Conductors are soft annealed nickel coated copper wire or nickel coated copper alloy complying with ASTM B 355. The conductor and stranding is in accordance with Table 1.

The insulation is a high temperature fluoro-polymer extrusion that is readily removable from the conductor. The dimensional, electrical and physical characteristics shall be in accordance with industry norms.

Features and Benefits of Specification AD300[®] Wire

Ratings: 300°C - 600V:

- Exceptional thermal endurance
- Highly flexible
- Excellent chemical resistance
- Lower cost vs. current high temp technology
- Meets requirements of specification AS22759
- Shrinkage, 4hrs @310°C, <1/8" over 12"



Aerospace Cable and Connectivity Solutions

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